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SYNTHESIS AND CYTOTOXIC ACTIVITY OF VARIOUS ALKYL 2-{DI[(DIETHOXY PHOSPHORYL) METHYL]AMINO}ESTER DERIVATIVES

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Abstract. We have been synthesized simple, efficient various alkyl 2-{di[(diethoxy phosphoryl) methyl]amino}ester derivatives by reacting amino acid esters **1(a-j)**, paraformaldehyde and two molar equivalents of diethyl hydrogenphosphonate (**2**) in tetrahydrofuran at 55–65 °C for 10 hrs. All the compounds **3(a-j)** were assessed for cytotoxicity against some important types of human chronic myeloid leukemia cells (K-562) and human colon carcinoma cells (Colo-205) along with non cancerous human embryonic kidney cells (HEK-293).

